

ABSTRACT OF THE DISCLOSURE

In a super conductive magnet apparatus comprising a super conductive coil, a helium containing volume for containing therein liquid helium to keep a temperature of the super conductive coil low, and a vacuum vessel containing therein the super conductive coil and the helium containing volume, the super conductive magnet apparatus further comprises a support body on which the super conductive coil is arranged, a container cover forming the helium containing volume with the support body in such a manner that a thermal energy is capable of being transmitted between the super conductive coil and the liquid helium, and a connecting member connecting the support body to the vacuum vessel so that the support body is supported through the connecting member on the vacuum vessel.